

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**OFFICE OF DESIGN POLICY & SUPPORT  
INTERDEPARTMENTAL CORRESPONDENCE**

**FILE** P.I. # 0007167  
CSBRG-0007-00(167)  
Columbia County  
GDOT District 2 - Tennille  
SR 232 Bridge Replacement @ Walton  
Branch

**OFFICE** Design Policy & Support

**DATE** January 28, 2013

**FROM**  for Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

**DISTRIBUTION:**

Bobby Hilliard, Program Control Administrator  
Genetha Rice-Singleton, State Program Delivery Engineer  
Glenn Bowman, State Environmental Administrator  
Ben Rabun, State Bridge Engineer  
Andy Casey, State Roadway Design Engineer  
Attn: Jamie Lindsey, District Design Engineer  
Kathy Zahul, State Traffic Engineer  
Phil Copeland, State Right-of-Way Administrator  
Lisa Myers, State Project Review Engineer  
Cindy VanDyke, State Transportation Planning Administrator  
Ken Thompson, Location Bureau Chief  
Angela Robinson, Financial Management Administrator  
Jimmy Smith, District Engineer  
Neal O'Brien, District Preconstruction Engineer  
Vonda Everett, District Planning & Programming Engineer  
Rodney Way, Area Engineer - D2, A4  
George Brewer, Project Manager  
BOARD MEMBER - 12th Congressional District

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE CSBRG-0007-00(167), Columbia County  
P.I. No. 0007167  
SR 232 @ Walton Branch  
OFFICE Program Delivery  
DATE January 16, 2013

FROM *for Stanley Hill* Genetha Rice-Singleton, State Program Delivery Engineer

TO Brent Story, P.E., State Design Policy Engineer  
Attention: Dave Peters

SUBJECT **Request for Location and Design Approval**

**Description and Project Proposal:** The proposed project will replace the existing 69' x 26' bridge on SR 232 at Walton Branch 4 miles northeast of the City of Grovetown in Columbia County and the 126<sup>th</sup> GMD. The proposed bridge will be 180' x 36' consisting of three 45' spans. The length of the proposed project is approximately 0.43 miles beginning at ML 7.80 and extending to ML 8.23. The proposed typical section will consist of two 12' lanes and 8' shoulders with 2' paved. Traffic will be maintained with an on-site detour on the south side of the existing bridge.

**Concept Approval Date:** The original concept was approved on October 3, 2011.

**Environmental Document Type, Approval Date, & any Reevaluations** The CE was approved November 27, 2012.

**Public Involvement:** There has been no public involvement on this project.

**Consistency with Approved Planning:** The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

**Recommendations:** This Office recommends that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND:

\_\_\_\_\_  
Director of Engineering

APPROVE:

*Bill R. McMillan*  
\_\_\_\_\_  
Chief Engineer

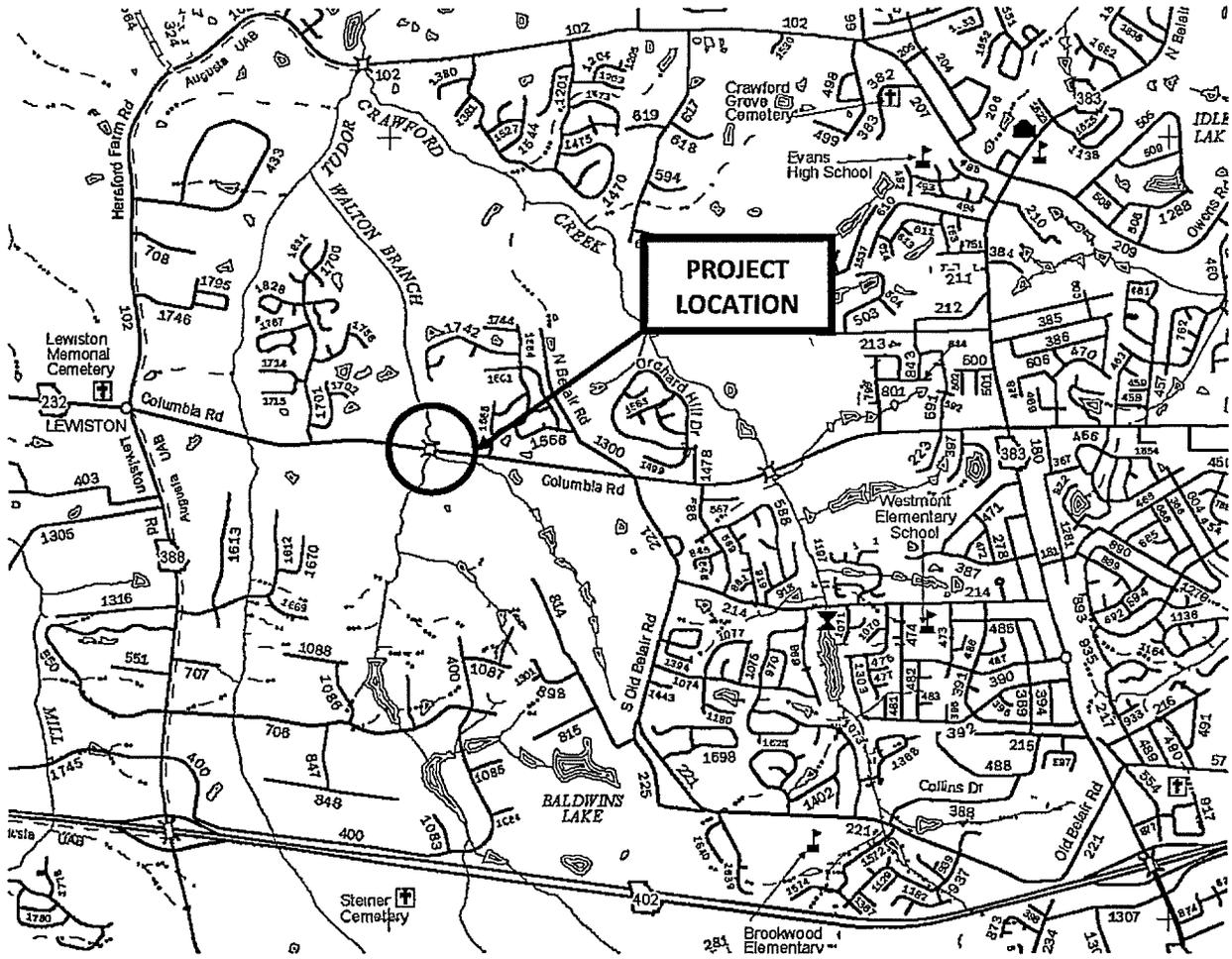
*1/25/13*  
\_\_\_\_\_  
Date

DATE OF LOCATION AND DESIGN APPROVAL:

*1/28/2013*  
\_\_\_\_\_  
(To be entered by state Conceptual Design Engineer)

Attachments:

- Sketch Map
- Notice of Location and Design Approval
- Cost Estimate



# DETAILED COST ESTIMATE



**Job: 0007167\_JMB**

JOB NUMBER: 0007167\_JMB

FED/STATE PROJECT NUMBER CSBRG-0007-00(167)

SPEC YEAR: 01

DESCRIPTION: BRIDGE REPLACEMENT ON SR 232 @ WALTON BRANCH

**ITEMS FOR JOB 0007167\_JMB**

**10 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$50,000.00000	TRAFFIC CONTROL - CSBRG-0007-00(167)	\$50,000.00
0270	210-0100	1.000	LS	\$20,000.00000	GRADING COMPLETE - CSBRG-0007-00(167)	\$20,000.00
0025	310-1101	8353.000	TN	\$21.12672	GR AGGR BASE CRS, INCL MATL	\$176,471.49
0030	318-3000	250.000	TN	\$19.42496	AGGR SURF CRS	\$4,856.24
0035	402-1812	216.000	TN	\$79.00504	RECYL AC LEVELING,INC BM&HL	\$17,065.09
0045	402-3121	1722.000	TN	\$70.76601	RECYL AC 25MM SP,GP1/2,BM&HL	\$121,859.07
0040	402-3130	1162.000	TN	\$79.39688	RECYL AC 12.5MM SP,GP2,BM&HL	\$92,259.17
0050	402-3190	1551.000	TN	\$71.92682	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$111,558.50
0055	413-1000	1369.000	GL	\$2.81623	BITUM TACK COAT	\$3,855.42
0285	432-0205	667.000	SY	\$2.40315	MILL ASPH CONC PVMT/ 1.25" DEP	\$1,602.90
0060	433-1000	267.000	SY	\$153.64900	REINF CONC APPROACH SLAB	\$41,024.28
0065	441-0301	4.000	EA	\$1,711.32963	CONC SPILLWAY, TP 1	\$6,845.32
0275	500-3101	0.340	CY	\$509.77339	CLASS A CONCRETE	\$173.32
0085	540-1102	1.000	LS	\$60,000.00000	REM OF EX BR, BR NO - BRIDGE NO. 1	\$60,000.00
0090	543-9000	1.000	LS	\$300,000.00000	CONSTR OF BRIDGE COMPLETE - CSBRG-0007-00(167)	\$300,000.00
0095	550-1180	38.000	LF	\$38.02130	STM DR PIPE 18",H 1-10	\$1,444.81
0100	550-1600	158.000	LF	\$122.64585	STM DR PIPE 60",H 1-10 TRIPLE LINE 60" PIPE - DETOUR	\$19,378.04
0295	550-2240	298.000	LF	\$35.96726	SIDE DR PIPE 24",H 1-10	\$10,718.24
0105	550-3618	2.000	EA	\$578.28765	SAFETY END SECTION 18",SD,6:1	\$1,156.58
0290	550-3624	3.000	EA	\$999.65800	SAFETY END SECTION 24",SD,6:1	\$2,998.97
0280	576-1015	44.000	LF	\$29.93451	SLOPE DRAIN PIPE, 15 IN	\$1,317.12
0110	603-2181	15.000	SY	\$56.90411	STN DUMPED RIP RAP, TP 3, 18"	\$853.56
0115	603-7000	15.000	SY	\$4.39924	PLASTIC FILTER FABRIC	\$65.99
0120	620-0100	250.000	LF	\$37.61757	TEMP BARRIER, METHOD NO. 1	\$9,404.39
0125	641-1100	180.000	LF	\$64.05000	GUARDRAIL, TP T	\$11,529.00
0130	641-1200	1892.500	LF	\$16.61750	GUARDRAIL, TP W	\$31,448.62
0135	641-5001	4.000	EA	\$522.99067	GUARDRAIL ANCHORAGE, TP 1	\$2,091.96
0140	641-5012	4.000	EA	\$1,761.85200	GUARDRAIL ANCHORAGE, TP 12	\$7,047.41
0145	643-8200	2375.000	LF	\$1.98022	BARRIER FENCE (ORANGE), 4 FT	\$4,703.02
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$1,111,728.51</b>

**30 - SIGNING / MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0155	636-1020	17.000	SF	\$17.32105	HWY SGN,TP1MAT,REFL SH TP3	\$294.46
0340	636-1033	36.000	SF	\$21.78791	HWY SIGNS, TP1MAT,REFL SH TP 9	\$784.36
0160	636-2070	78.000	LF	\$10.14014	GALV STEEL POSTS, TP 7	\$790.93
0162	652-0120	5.000	EA	\$41.69678	PAVEMENT MARKING, ARROW, TP 2	\$208.48
0345	652-5451	4400.000	LF	\$0.12754	SOLID TRAF STRIPE, 5 IN, WHITE	\$561.18
0170	652-5452	4320.000	LF	\$0.12369	SOLID TRAF STRIPE, 5 IN, YELLO	\$534.34
0163	652-6501	140.000	GLF	\$0.07313	SKIP TRAF STRIPE, 5 IN, WHITE	\$10.24
0175	654-1001	56.000	EA	\$4.96402	RAISED PVMT MARKERS TP 1	\$277.99
0180	657-1054	180.000	LF	\$4.86091	PRF PL SD PVMT MKG,5",WH,TP PB	\$874.96
<b>SUBTOTAL FOR SIGNING / MARKING:</b>						<b>\$4,336.94</b>

**40 - PERMANENT EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0190	700-6910	9.100	AC	\$726.50428	PERMANENT GRASSING	\$6,611.19
0195	700-7000	27.200	TN	\$50.10260	AGRICULTURAL LIME	\$1,362.79
0205	700-8000	9.500	TN	\$478.31034	FERTILIZER MIXED GRADE	\$4,543.95
0210	700-8100	454.000	LB	\$2.73566	FERTILIZER NITROGEN CONTENT	\$1,241.99
0330	716-2000	2695.000	SY	\$1.18017	EROSION CONTROL MATS, SLOPES	\$3,180.56
<b>SUBTOTAL FOR PERMANENT EROSION CONTROL:</b>						<b>\$16,940.48</b>

# DETAILED COST ESTIMATE



**Job: 0007167\_JMB**

**50 - TEMPORARY EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0215	163-0232	27.200	AC	\$400.65391	TEMPORARY GRASSING	\$10,897.79
0220	163-0240	163.400	TN	\$203.43192	MULCH	\$33,240.78
0225	163-0300	2.000	EA	\$1,563.92029	CONSTRUCTION EXIT	\$3,127.84
0230	163-0520	620.000	LF	\$17.27984	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$10,713.50
0235	163-0527	62.000	EA	\$216.46090	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$13,420.58
0310	163-0528	1800.000	LF	\$3.20376	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$5,766.77
0315	163-0550	5.000	EA	\$168.31833	CONS & REM INLET SEDIMENT TRAP	\$841.59
0305	165-0010	917.000	LF	\$0.70316	MAINT OF TEMP SILT FENCE, TP A	\$644.80
0240	165-0030	917.000	LF	\$0.97174	MAINT OF TEMP SILT FENCE, TP C	\$891.09
0245	165-0041	1400.000	LF	\$1.02714	MAINT OF CHECK DAMS - ALL TYPES	\$1,438.00
0250	165-0101	2.000	EA	\$444.41136	MAINT OF CONST EXIT	\$888.82
0320	165-0105	5.000	EA	\$66.45092	MAINT OF INLET SEDIMENT TRAP	\$332.25
0255	167-1000	2.000	EA	\$636.60714	WATER QUALITY MONITORING AND SAMPLING	\$1,273.21
0260	167-1500	18.000	MO	\$860.61985	WATER QUALITY INSPECTIONS	\$15,491.16
0325	170-1000	250.000	LF	\$12.44318	FLOAT SILT RETENTION BARRIER	\$3,110.80
0300	171-0010	1834.000	LF	\$1.79351	TEMPORARY SILT FENCE, TYPE A	\$3,289.30
0265	171-0030	7276.000	LF	\$3.28802	TEMPORARY SILT FENCE, TYPE C	\$23,923.63
0335	700-8000	5.400	TN	\$446.92795	FERTILIZER MIXED GRADE	\$2,413.41
<b>SUBTOTAL FOR TEMPORARY EROSION CONTROL:</b>						<b>\$131,705.32</b>

**TOTALS FOR JOB 0007167\_JMB**

ITEMS COST:	\$1,264,711.25
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,264,711.25
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,264,711.25

# NOTICE OF LOCATION AND DESIGN APPROVAL

## Project No. CSBRG-0007-00(167), Columbia County P. I. No. 0007167

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is 1/28/2013.

The proposed project will replace the existing 69' x 26' bridge on SR 232 at Walton Branch 4 miles northeast of the City of Grovetown in Columbia County and the 126<sup>th</sup> GMD. The proposed bridge will be 180' x 36' consisting of three 45' spans. The length of the proposed project is approximately 0.43 miles beginning at ML 7.80 and extending to ML 8.23. The proposed typical section will consist of two 12' lanes and 8' shoulders with 2' paved. Traffic will be maintained with an on-site detour on the south side of the existing bridge.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Rodney Way  
rway@dot.ga.gov  
4260 Frontage Rd  
Augusta, Georgia 30909  
(706) 855-3466

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Genetha Rice-Singleton  
Office of Program Delivery  
grice-singleton@dot.ga.gov  
Georgia Department of Transportation  
Office of Program Delivery  
600 West Peachtree Street, N.W., 25<sup>th</sup> Floor  
Atlanta, Georgia 30308  
404-631-1122

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.